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**(74) Agents:** ELEVLD, Koop, J. et al.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

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**(71) Applicant (for all designated States except US):** KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

**(72) Inventors; and**

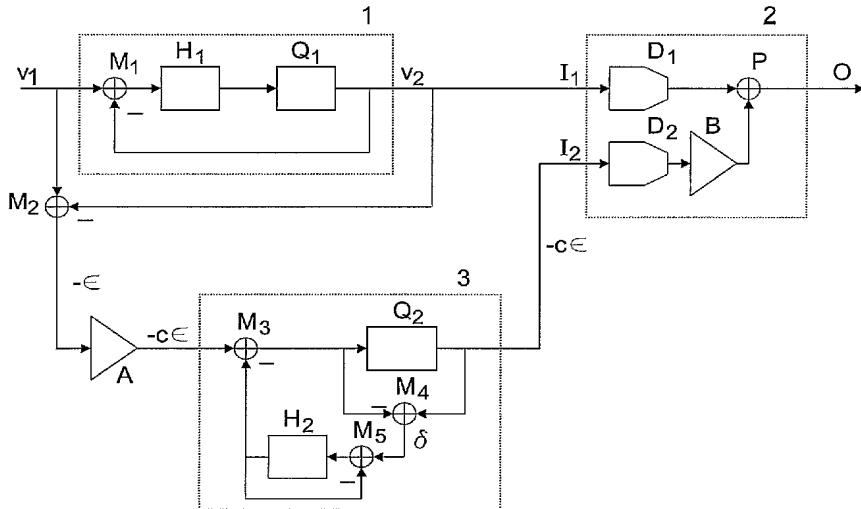
**(75) Inventors/Applicants (for US only):** REEFMAN, Derk [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). VAN TULJL, Adrianus, J., M. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

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**(54) Title:** A DA-CONVERTER SYSTEM AND A METHOD FOR CONVERTING A MULTI-BIT DIGITAL SIGNAL TO AN ANALOG SIGNAL



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**(57) Abstract:** A DA-converter system comprises the cascade of a multi-bit sigma-delta modulator and a DA-converter. The quantization noise of the sigma-delta modulator is isolated, the isolated quantization noise is word-length reduced in a second noise shaper with frequency independent signal transfer function and the isolated word-length reduced quantization noise is subtracted from the quantization noise of said cascade. Preferably the isolated quantization noise is amplified before and attenuated after the second noise shaper.



**Declaration under Rule 4.17:**

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